

Network Systems Workshop

Annapolis, MD
November 2-5, 1998

Second Circular

In this circular

- General Workshop Information
- Conveners, Program Committee, Local Organizer
- Preliminary Agenda
- Meeting Venue
- Accommodations
- Registration Information
- Events
- Further Information

General Workshop Information

NASA Goddard Space Flight Center, through the Crustal Dynamics Data Information (CDDIS), an IGS Global Data Center, in conjunction with the IGS Central Bureau, will host the IGS Network Systems Workshop for three and one half days on November 2-5, 1998 in Annapolis, MD. A first circular for this workshop was issued in early July and can be viewed on the workshop web site (see below).

The IGS has been an operational service for nearly five years, providing GPS data and products from a globally distributed network of high precision GPS receivers. Since its inception, the IGS has not sponsored a workshop of this type, focusing on the network and infrastructure issues and how future plans for the IGS affect these components. This workshop will provide a venue for the various network components of the IGS to meet and discuss our current configurations, problems and their resolutions, how to incorporate the many future requirements into our existing infrastructure, and what new technologies are available that we should take advantage of.

Attendees are encouraged to bring poster paper presentations.

Attendees from the U.S. are reminded that November 3 is Election Day. Don't forget to submit your absentee ballots!

Conveners

Ruth Neilan, IGS Central Bureau, Jet Propulsion Laboratory, Pasadena, CA
Carey Noll, NASA GSFC, Greenbelt, MD

Program Committee

IGS Infrastructure Committee
Yehuda Bock, Scripps Institution of Oceanography, La Jolla, CA
Steve Fisher, Jet Propulsion Laboratory/UNAVCO, Boulder, CO
Werner Gurtner, Astronomical Institute of Berne, Switzerland
Jan Kouba, Natural Resources Canada
Ulf Lindqwister, Jet Propulsion Laboratory, Pasadena, CA
Chuck Meertens, University NAVSTAR Consortium, Boulder, CO
Ruth Neilan, IGS Central Bureau, Jet Propulsion Laboratory, Pasadena, CA
Carey Noll, NASA GSFC, Greenbelt, MD
Ludwig Combrinck, Hartebeestoeke Radio Observatory, South Africa
Loic Daniel, Institut Geographique National, France

Yuki Hatanaka, Geographical Survey Institute, Japan
 Martin Hendy, Australian Survey and Land Information Group, Australia
 Jan Johansson, Onsala Space Observatory, Sweden
 Hans Peter Plag, Geodetic Institute, Norwegian Mapping Authority, Honefoss, Norway
 Jim Ray, U.S. Naval Observatory, Washington, D.C.
 Wolfgang Schlueter, Bundesamt für Kartographie und Geodäsie, Germany
 Tim Springer, Astronomical Institute of Berne, Switzerland
 James Zumberge, Jet Propulsion Laboratory, Pasadena, CA

Local Organizer

Carey Noll, NASA GSFC, Greenbelt, MD

Preliminary Agenda

Monday November 02, Afternoon Session

- 11:30 – 1:00 p.m.**
 On-Site Registration
- 1:00 – 1:15 p.m.**
 Welcome and Announcements
 R. Neilan,
 C. Noll
- 1:15 – 2:15 p.m.**
 1.0 State of the IGS
 1.1 Current Network Performance
 G. Beutler, +
 J. Zumberg,
 J. Kouba,
 T. Springer
- 2:15 – 2:45 p.m.** Break
- 2:45 – 5:00 p.m.**
 2.0 Future Requirements
 Applications Panel Discussion on Emerging Initiatives and New Directives
 R. Serafin,
 Moderator
- 6:00 – 7:00 p.m.** Icebreaker Reception

Tuesday November 03, Morning Session

- 9:00 – 9:30 a.m.**
 3.0 Physical Site Specifications
 W. Gurtner, +
- 9:30 – 11:00 a.m.**
 Physical Site Specifications -- Panel Discussion
 W. Gurtner,
 Moderator
- 11:00 – 11:30 a.m.** Break
- 11:30 a.m. – 12:30 p.m.**
 3.1 Communications and Data Links
 S. Fisher,
 D. Stowers
- 12:30 – 2:00 p.m.** Lunch

Tuesday November 03, Afternoon Session

- 2:00 – 3:00 p.m.**
 3.2 New Communication Technologies
 Invited
 Speaker(s)
 (TBD)
- 3:00 – 5:30 p.m.**
 3.3 Poster Overview and Viewing
 R. Neilan
- 5:30 – 7:00 p.m.** Social Reception

Wednesday November 04, Morning Session

- 9:00 – 9:30 a.m.**
 4.0 Data Center Issues
 C. Noll, +
- 9:30 – 10:30 a.m.**
 Data Center Issues -- Panel Discussion
 C. Noll,
 Moderator

10:30 – 11:00 a.m. Break

11:00 – 11:30 a.m.

5.0 Network Monitoring

R. Neilan, +

11:30 a.m. – 12:30 p.m.

Network Monitoring -- Panel Discussion

R. Neilan,
Moderator

12:30 – 2:00 p.m. Lunch

Wednesday November 04, Afternoon Session

2:00 – 2:30 p.m.

6.0 Network Upgrade Issues

Y. Bock, +

2:30 – 3:30 p.m.

Network Upgrade Issues -- Panel Discussion

Y. Bock,
Moderator

3:30 – 4:00 p.m. Break

4:00 – 5:00 p.m.

6.1 GPS Instrumentation Overview -- Future of High Precision GPS Tools

R. Neilan,
C. Noll

5:00 – 5:30 p.m.

6.2 Questions and Discussion

TBD,
Moderator

6:00 – 9:00 p.m. Banquet

Thursday November 05, Morning Session

9:00 – 10:15 a.m.

7.0 IGS Information Systems Demonstrations – CBIS Review and Recommendations

R. Neilan
R. Liu, +

10:15 – 10:45 a.m. Break

10:45 a.m. – 12:30 p.m.

8.0 Working Group Discussions

12:30 – 2:00 p.m. Lunch

Thursday November 05, Afternoon Session

2:00 – 4:00 p.m.

8.1 Summary Recommendations from each Working Group

I. Mueller,
Moderator

8.2 Future Steps and Setting Next Meeting(s)

7:00 – 9:00 p.m. Tour of Goddard Geophysical and Astronomical Observatory
(GGAO)

Friday November 06, Summary Session for Program Committee

Wrap up with session chairs

Assignments for "IGS Network Operations Plan" document

Meeting Venue

The workshop will be held in the Governor Calvert House, one of the Historic Inns of Annapolis. The Historic Inns, a series of three hotels in downtown Annapolis, will also provide lodging for the attendees of the workshop. Airport and transportation information can be found on the web site.

Accommodations

A block of rooms has been reserved at the Historic Inns of Annapolis. Attendees should make their own reservations with the hotel, stating they are with the IGS Network Systems Workshop. To be guaranteed a room at this hotel, attendees MUST MAKE A RESERVATION BY OCTOBER 5, 1998. The rate for a single room for workshop participants is \$96 (U.S., tax included); the double room rate is \$116 (U.S., tax included). All room requests will be filled on a first come first served basis and based on space availability. If needed, accommodations at the other hotels listed below can be made. The Annapolis Holiday Inn and the Wyndham Gardens Hotel are not within walking distance of the workshop venue; shuttle service, however, is available to downtown Annapolis.

Historic Inns of Annapolis
Phone: 800-847-8882 (room reservations only)

Annapolis Holiday Inn Hotel and Conference Center
Phone: 410-224-3150
(Shuttle service available to downtown, near workshop)

Wyndham Garden Hotel
Phone: 410-266-3131
(Shuttle service available to downtown, near workshop)

Annapolis Marriott Waterfront Hotel
Phone: 410-268-7555
(Walking distance from workshop)

Registration Information

A registration fee of \$75 (U.S.) will be charged and is payable at the workshop on-site registration (November 2). An updated reservation form is available on the web site (see below). Attendees are strongly encouraged to complete this registration form by October 19, 1998.

Events

Informal receptions will be held at the workshop venue on Monday and Tuesday. A banquet will be held on Wednesday evening. A tour of the Goddard Geophysical and Astronomical Observatory (GGAO) is scheduled for Thursday evening.

Further Information

A web site has been developed to provide the latest information about the IGS Network Systems Workshop. This site will also provide registration and hotel information. The URL for the workshop web site is:

`http://cddisa.gsfc.nasa.gov/igs_netws/netws_home.html`.